Live Monitoring Console 5.5.2

Getting Started Guide

MARCH networks

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Chapter 1

Welcome to the Live Monitoring Console

The Live Monitoring Console is an integral part of the VideoSphere Visual Intelligence suite of products that lets security staff monitor live video and respond to alarm events in a local or centralized manner.

What Does this Guide Provide?

The *Live Monitoring Console Getting Started Guide* describes how to set up the Live Monitoring Console, view live video, and respond to alarm events.

The Live Monitoring Console is suitable for both managed and non-managed environments and provides advanced video monitoring and alarm handling features. A license key is required to access the advanced features of the Professional version.

NOTE: This document explains how to use the Professional version of the Live Monitoring Console. If you do not have the Professional version, some of the features and functionality described in this document will not be available to you. However, this guide will assist you with your Standard version of the Live Monitoring Console.
If you would like to inquire about purchasing the Professional version of the Live Monitoring Console, please contact your March Networks representative.

Additional VideoSphere Visual Intelligence suite product publications are available in PDF format on the software CD.

Chapter 2

Installing the Live Monitoring Console

This chapter describes how to install, uninstall, and start the Live Monitoring Console. The following topics are covered:

- "System Requirements" on page 4
- "Installing the Live Monitoring Console" on page 5
- "Uninstalling the Live Monitoring Console" on page 5
- "Starting the Live Monitoring Console" on page 5

System Requirements

Before you install the Live Monitoring Console, ensure your system meets the following recommended requirements:

- Computer with 3.0 GHz equivalent (or higher) processor
- One of the following Microsoft® Windows® operating systems:
  - XP Professional SP3
  - Vista Home Premium SP1
  - Vista Business SP1
  - Vista Enterprise SP1
  - Vista Ultimate SP1
- 2.0 GB (or higher) of system RAM

NOTE: If you plan to view live video with floating grids we recommend 4 GB of system RAM. For more information on floating grids, see "Adjusting the Grid" on page 20.

- Quad-speed (or faster) CD-ROM drive (optional CD-RW capability for transferring evidence to compact discs)
- 10/100 Mbps Ethernet card
- Sound card with speakers or headphones (only required when working with a recorder that has connected audio inputs, such as microphones)
- 40 MB of space free on hard drive for software. Additional space required for storing of recorder and evidence information.
- Screen color depth: 32-bit
- Video card:
  - Video RAM: 256 MB
  - Screen Resolution: 1280 x 1024 (or greater)
- Wheel mouse (for use with PTZ cameras only)

NOTE: Workstations that do not meet the recommendations specified above may be used for lower performance requirements or in environments with small numbers of recorders.

NOTE: For the online Help to function properly, you must enable JavaScript in your Web browser. For information about enabling JavaScript, see the documentation accompanying your Web browser.

Installing the Live Monitoring Console

An installation wizard assists you with installing the Live Monitoring Console. If you no longer require the application, you can uninstall it.

Use the software CD provided to install the Live Monitoring Console.

To install the Live Monitoring Console

1. Insert the software CD into your computer's CD-ROM drive.

   The **Software Installation** page automatically appears. If this page does not appear automatically, use Windows Explorer to locate the **setup.exe** file on the CD, and then run **Setup**.

2. On the **Software Installation** page, click the application you want to install. As you move your pointer over each link, a brief description of the application appears.

3. Follow the installation wizard prompts to install the application.

   During the installation you are asked if you will be using an ESM (Enterprise Service Manager). If your organization has an ESM that centrally monitors and maintains your March Networks recorders, click **Yes** and then type the IP address of the ESM in the **Address** box.

NOTE: If you indicate that you are using an ESM, you are prompted to enter a user name and password when you start the Live Monitoring Console.

Uninstalling the Live Monitoring Console

If you no longer require the application, you can remove it using **Add/Remove Programs** in the Windows Control Panel. For more information about removing programs, see the documentation accompanying Microsoft Windows.

Starting the Live Monitoring Console

After the installation completes, a shortcut appears on your computer's desktop and is also inserted into the **Start** menu. Use this shortcut to start the application.

NOTE: If you indicated during installation of the Live Monitoring Console that you are using an ESM, you are prompted to enter a user name and password when you start the Live Monitoring Console.
If you want to change the ESM connection information, see "Modifying the ESM Connection Settings" on page 10.

Chapter 3

Accessing Recorders

This chapter describes the various ways to access recorders in the Live Monitoring Console. The following topics are covered:

- "Connecting to Recorders" on page 8
- "Changing the Device List Settings" on page 9
- "Modifying the ESM Connection Settings" on page 10

Connecting to Recorders

Recorders that are available to you display in the Site Selector of the Live Monitoring Console. If no recorders are visible, and you are not using an ESM, you may have to import a device list (available from your system administrator). A device list is a list of recorders that you can connect to, in a .dat file format.

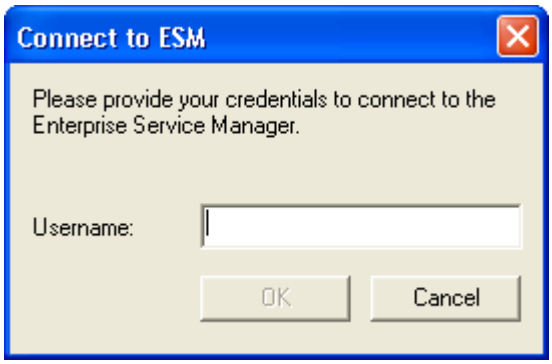
If you are working in an environment managed by an ESM, you may be disconnected from the ESM.

To import a device list

1. On the **File** menu, click **Import Device List**.
2. Browse to the location of the device list file and click **Open**.

To connect to an ESM

1. On the **File** menu, click **Connect to ESM**.
2. In the **Connect to ESM** dialog box, type your user name and click **OK**.



3. In the **ESM Password** dialog box, type your password and click **OK**.

NOTE: If you select an intermittently-connected recorder in the Site Selector, the connection is automatically terminated after a time specified by your administrator.

To connect to an ESM from a list

1. On the **File** menu, click **Connect to ESM**.
2. In the **Connect to ESM** dialog box, click your preferred ESM in the list and click **Connect**.
3. Type your user name in the **Username** box and click **OK**.
4. In the **ESM Password** dialog box, type your password and click **OK**.

To disconnect from the ESM

- On the **File** menu, click **Disconnect from ESM**.

Changing the Device List Settings

You can use the **Preferences** dialog box to choose the storage location for your device list.

To change the device list location

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **Device List Settings** tab.
3. Click the **Browse** button and navigate to the location where you want to store the device list.
4. Click **OK**.

NOTE: If your device list becomes out of sync or damaged, you can obtain the list by clicking the Refresh Devices button in the Preferences dialog box under the Device List Settings tab.

Modifying the ESM Connection Settings

If you want to change the default ESM connection, you can modify the settings in the **Preferences** dialog box. The settings are saved and used the next time you log on to the Live Monitoring Console.

To automatically connect to one ESM

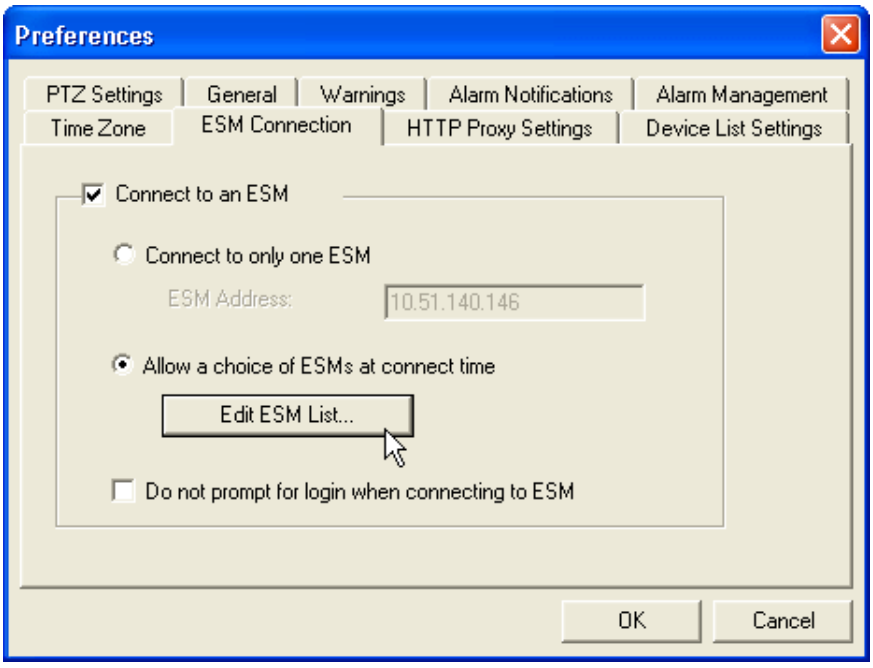
1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **ESM Connection** tab.
3. Select the **Connect to an ESM** check box.
4. Click **Connect to only one ESM** and type the preferred ESM address in the box.
5. Click **OK**.

   Your changes take effect the next time you start the Live Monitoring Console.

NOTE: You can configure the Live Monitoring Console to use your Windows user name to log on to the ESM, removing the need to specify your user name. To configure this option, select the Do not prompt for login when connecting to ESM check box.
For this option to work properly, you must have an ESM user account with the same user name as your Windows user account. For information about using this feature, consult your system administrator.

To create a list of ESMs for connection

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **ESM Connection** tab.



3. Select the **Connect to an ESM** check box.
4. Click **Allow a choice of ESMs at connect time.**
5. Click **Edit ESM List**.
6. In the **ESM List Manager** dialog box, click **Add ESM to List**.
7. In the **Add ESM to List** dialog box, type a name for the ESM in the **Descriptive Name** box, type the IP address of the ESM in the **Address** box, and click **OK**.

NOTE: The address of the ESM to which you are connected appears when you pause on the ESM Connected icon in the Status toolbar.

Chapter 4

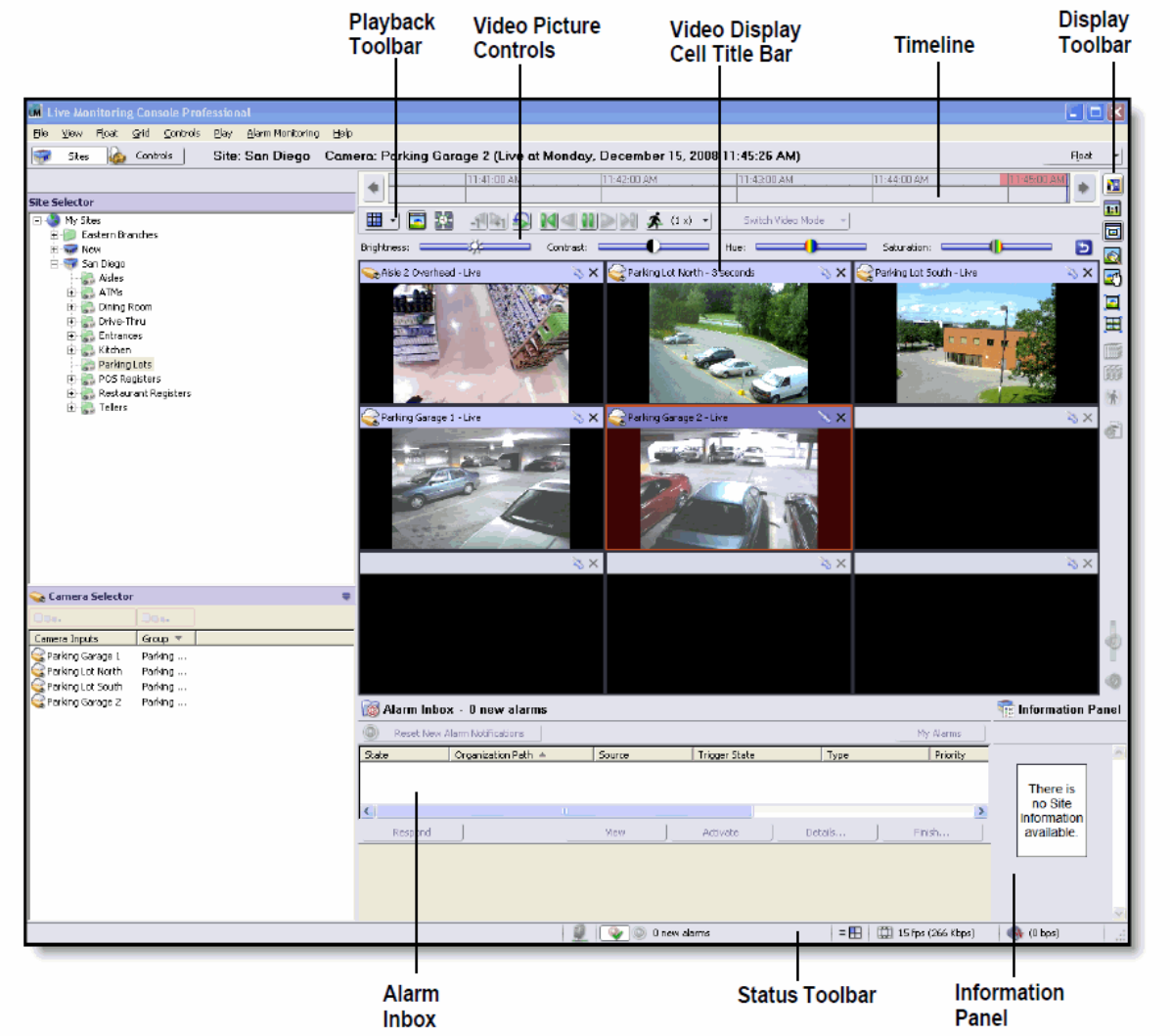
Exploring the Live Monitoring Console

This chapter describes the key components you use to navigate through the Live Monitoring Console, and highlights tools you can use to customize your system. The following topics are covered:

- "Reviewing the Live Monitoring Console" on page 14
- "Displaying the Toolbars" on page 15
- "Displaying the Control Panels" on page 16
- "Showing and Hiding the Alarm Inbox" on page 17

Reviewing the Live Monitoring Console

The following figure shows the key components of the Live Monitoring Console, which are referenced throughout this publication.

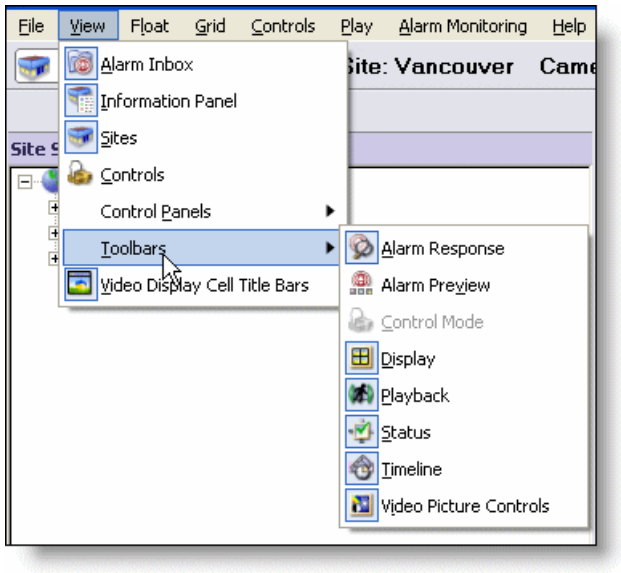


Displaying the Toolbars

You can show or hide toolbars in the Live Monitoring Console to customize your work environment.

To display a toolbar

On the **View** menu, point to **Toolbars**, and click any of the following:



- **Alarm Response.** Displays the Alarm Response toolbar at the bottom of the Alarm Inbox.
- **Alarm Preview.** Displays a series of thumbnail pictures associated to the primary camera of an alarm at the bottom of the Alarm Inbox.
- **Control Mode.** Displays buttons indicating which control panels are in use.
- **Display.** Displays the video display controls to the right of the grid.
- **Playback.** Displays the Playback toolbar which also includes the following buttons: **Grid Layout**; **Show/Hide Title Bars**; and **Synchronized Playback**.
- **Status.** Displays the application's status information at the bottom of the Alarm Inbox.
- **Timeline.** Displays a timeline above the grid which can be used to navigate through live or recorded video.
- **Video Picture Control.** Displays sliders to change the brightness, contrast, hue, and saturation of the video image.

NOTE: The **Alarm Inbox** must be visible in order to display the **Alarm Response** and **Alarm Preview** toolbars.
The **Controls** button must be selected to display the **Control Mode** toolbar.

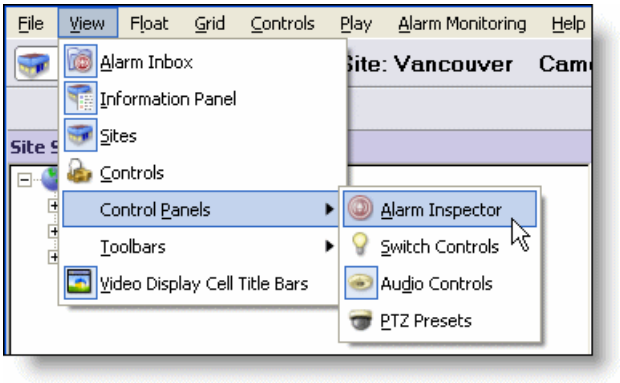
Displaying the Control Panels

The Controls and Sites buttons allow you to display and use different groups of features in the Live Monitoring Console. Selecting the Sites button displays the Site Selector and the Camera Selector. Selecting the Controls button shows the Available Cameras at Site panel. You can also display the Control sub-panels, which allow you to view and use the Alarm Inspector, switch controls, audio controls, and PTZ presets for cameras.

Customizing your display by hiding or showing the Control sub-panels is useful when you are using specific features only, or need easy access to controls such as the Talk button.

To display a sub-panel

1. Ensure the **Controls** button is selected.
2. On the **View** menu, point to **Control Panels** and click any of the following:
   - **Alarm Inspector.** Displays details about alarm inputs at a site, including the type of alarm input, the associated camera, the current state, and the source.
   - **Switch Controls.** Allow you to turn switches, such as a lights, on and off at the recorder site.
   - **Audio Controls.** Allow you to talk to others at the recorder site using an intercom system or microphone, or monitor audio at the site.
   - **PTZ Presets.** Allow you to move a PTZ camera at the recorder site to preset views.



For more information about using the Control sub-panels, see "Viewing the State of Alarm Inputs" on page 36.

NOTE: You can minimize or maximize a sub-panel by clicking the arrow on the panel's title bar.

To switch between the Control panels and Sites panel

- To view the **Control** panels, click **Controls**.
- To view the **Sites** panel, click **Sites**.

Showing and Hiding the Alarm Inbox

The Alarm Inbox displays all of the current alarms and their details. You can respond to alarms, view their details, suspend alarms, add information, and conclude them using the Alarm Inbox.

To show or hide the Alarm Inbox

On the **View** menu, click **Alarm Inbox**.

Chapter 5

Adjusting the Live Monitoring Console Display

This chapter describes the various ways you can customize the Live Monitoring Console display to best suit your work environment. The following topics are covered:

- "Adjusting the Grid" on page 20
- "Using the Display Toolbar Controls" on page 23
- "Displaying Text Overlay" on page 24

Adjusting the Grid

You can change the number of video display cells in the grid, move images from one video display cell to another, and adjust the picture settings for the video.

You can also undock the grid from the main Live Monitoring Console window to create one or more floating grids. This allows you to create more video display cells that you can move to other screen locations.

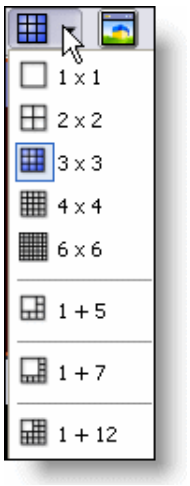
To change the grid layout

You can change the number of video display cells in the grid and the layout of the cells in the grid.

You can do this using menus or buttons:

- From the **Grid** menu, point to **Display** and select an option from the list.
- Click the **Grid Layou**t button and select an option from the list.

You can set the grid layout of your video display cells to use one cell, multiple cells of the same size, or one large cell and multiple smaller cells.

Grid Layout Setting		Description
	1 x 1	One video display cell
	2 x 2	Four video display cells of equal size
	3 x 3	Six video display cells of equal size
	4 x 4	Eight video display cells of equal size
	6 x 6	Twelve video display cells of equal size
	1 + 5	One large video display cell and five smaller cells
	1 + 7	One large video display cell and seven smaller cells
	1 + 12	One large video display cell and twelve smaller cells

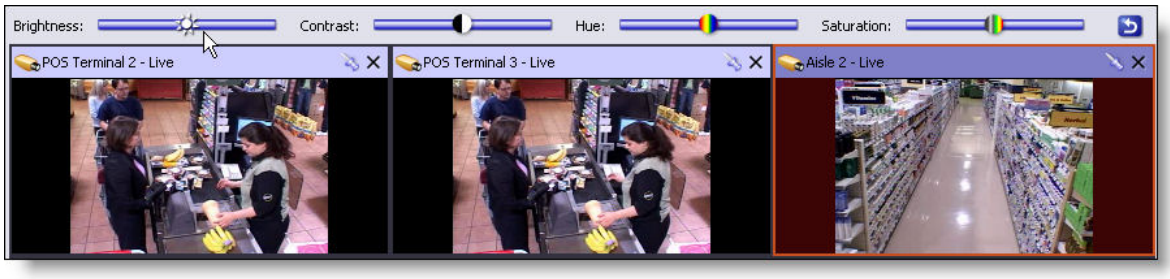
To move video from one video display cell to another

Click the video display cell that contains the video you want to move and drag it to another cell.

NOTE: You can duplicate an image by pressing the CTRL key while dragging the image to a new video display cell.
You can also replace one image with another by dragging the new image into the video display cell.

To adjust the brightness, contrast, hue, and saturation of video

1 Ensure the **Video Picture Controls** toolbar is visible.



For more information about showing and hiding toolbars, see "Displaying the Toolbars" on page 15.

2 Click the video display cell of the image you want to adjust.

3 On the **Video Picture Controls** toolbar, do one of the following:

- Adjust the **Brightness** slider to determine the black level of the display.
- Adjust the **Contrast** slider to determine the range between the lightest and darkest portions of an image.
- Adjust the **Hue** slider to determine the degree of distinction between colors ranging from red to blue.
- Adjust the **Saturation** slider to determine the intensity or depth of colors.

NOTE: You can return your picture controls to the default settings by clicking the **Reset Settings** button.

To clear the live video display cells

From the **Grid** menu, select **Clear All Video Display Cells**.

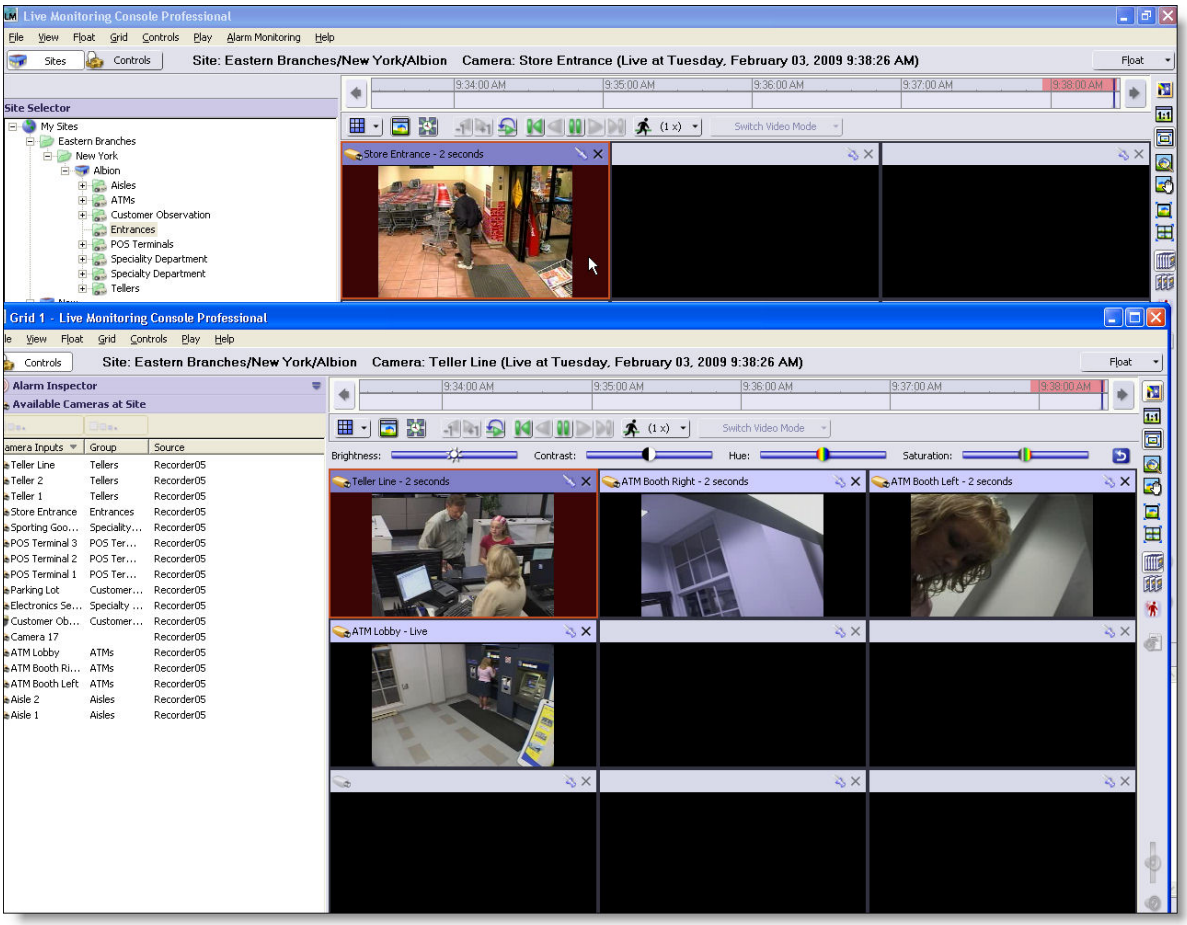
To create a floating grid from the main window

To create a floating grid, from the Live Monitoring Console main window, either:

- From the **Float** menu, select **Float Grid**.
- Click the **Float** button and select **Float Grid**.

The grid is undocked from the main window and the name **Grid 1** appears in its title bar. You can move the entire floating grid to another monitor, when you are working in dual monitor mode, and you can move images from one grid to the other.

NOTE: You can only create a new grid from the Live Monitoring Console's main window, not from the floating grid. You can create multiple floating grids, which are titled in sequence as Grid 1, Grid 2, Grid 3, and so on.



To close the floating grid

Click the **X** on the top right corner of the floating grid.

Using the Display Toolbar Controls

You can change the quality and size of video images using the video display controls. You can also control the rate at which video is streamed, highlight areas of motion within the image, request audio, or adjust the volume of audio.

The following table describes the controls on the **Display** toolbar:

Control	Name	Description
	Video Picture Controls	Opens sliding control bars to change brightness, contrast, hue and saturation of the video.
	Zoom to 100%	Resizes video to 100 percent of the recorded size.
	Fit to Window	Resizes video to fit within the video display cell.
	Zoom Mode	Allows custom zoom level of an area of video.
	Pan Mode	Shifts the horizontal and vertical display position of the video playback. **Note:** You must zoom in to an area of video before using the pan feature.
	Full Screen	Resizes the selected video display cell to fill the screen. Press any key to exit the full screen.
	Grid Full Screen	Resizes the grid to fill the screen.
	High Frame Rate Stream	Displays the live video at a higher frame rate, as defined by the administrator.
	Low Frame Rate Stream	Displays the live video at a lower frame rate, as defined by the administrator.
	Activity Spotlight	Isolates motion in video playback by greying out the areas where no motion is detected.
	Audio Request	Allows you to request associated audio from the camera, if available. **Note:** This button is enabled only if audio is associated with live video.
	Volume	Adjusts the volume level of the playback, if an audio input exists.
	Mute	Toggles the audio volume on and off, if an audio input exists.

Displaying Text Overlay

You can use the Live Monitoring Console's text overlay feature to display associated text in a video display cell, over the picture that the camera displays. This feature can be enabled or disabled for the entire Live Monitoring Console or for individual cameras within the Live Monitoring Console.

To display text in a video display cell, the camera displaying the video must be linked to a single dataport that is configured for text capture. For more information on configuring dataports, see the *Administrator Console User Manual*.

Configuring Text Overlay

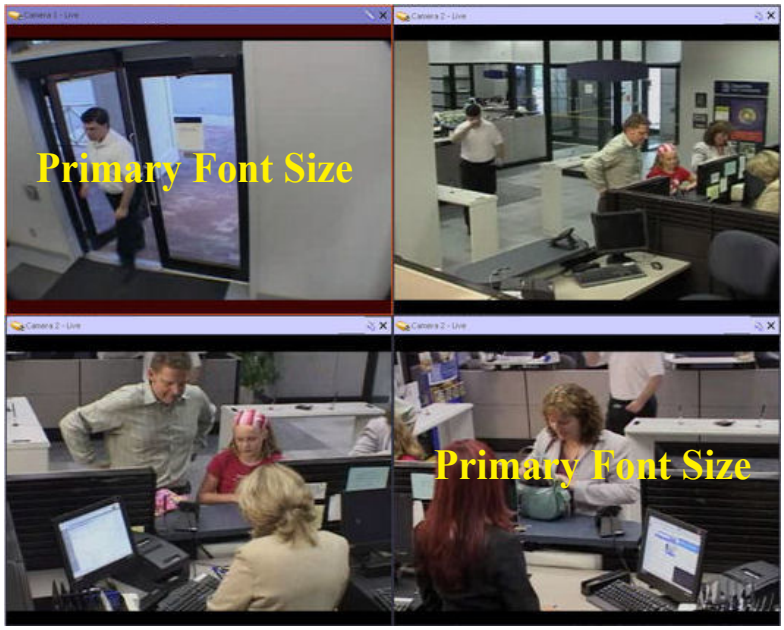
The text overlay feature is configurable to best suit your needs. You can change the font size and the font color to make it easier to read over the video display. You can set default font sizes and color for the entire Live Monitoring Console, then change the settings to suit specific cameras and video display cells.

The font size has two options: primary font size and secondary font size. These size options help to view the text on specific grid layouts (see "To change the grid layout" on page 20). When your grid layout is set to view one large video display cell and multiple smaller video display cells (1+5, 1+7, or 1+12), the Live Monitoring Console uses the primary font size for the large display cell and the secondary font size for the multiple smaller display cells. You can set the primary font size to a large font for the large display cell and the secondary font size to a small font for the smaller cells so that the text overlay is easier to read.

One large display cell and multiple smaller display cells (Figure shows 1+5):

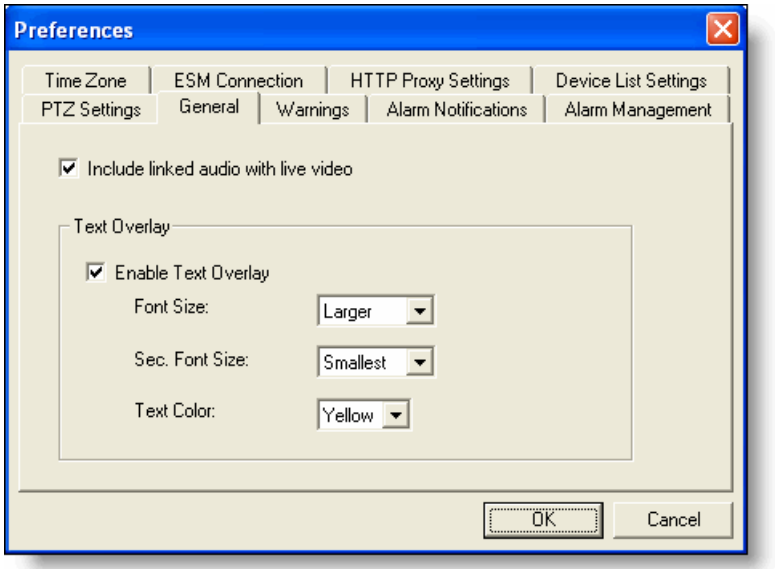
If your grid layout is set to use one display cell or multiple cells of the same size (1x1, 2x2, 3x3, 4x4, or 6x6), the secondary font size is not applicable and only the primary font size is used.

Multiple display cells of the same size (Figure shows 2x2):



To enable the text overlay feature

1. From the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **General** tab.



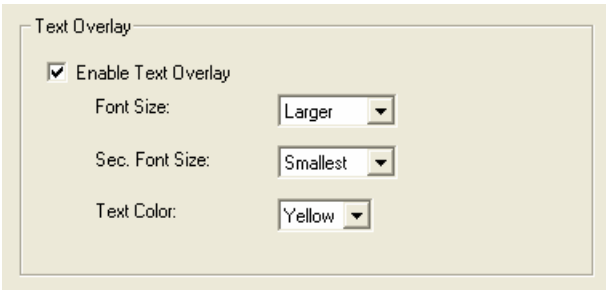
3. Select the **Enable Text Overlay** check box.

To set the default font size and color for text overlay

This procedure sets the default text overlay font sizes and color for all cameras in the Live Monitoring Console.

NOTE: You can also change the settings for individual cameras: see "To configure overlay text for a specific camera or display cell" on page 27.

1 Ensure that the **Enable Text Overlay** check box is selected in the **Preferences** dialog box **General** tab (see "To enable the text overlay feature" on page 25).



You can select the default font size for the primary font (**Font Size**) and the secondary font (**Sec. Font Size**). The two font size settings are used to suit different grid layouts (for more information, see "Configuring Text Overlay" on page 24).

2 From the primary **Font Size** list, select the default size for the text overlay.

Primary Font Size is for:

- A grid layout of one video display cell or multiple cells of the same size (1x1, 2x2, 3x3, 4x4, or 6x6).
- The large display cell in a grid layout of one large display cell and multiple smaller cells (1+5, 1+7, or 1+12).

3 From the **Secondary Font Size** list, select the default size for the text overlay.

Secondary Font Size is for:

- The multiple smaller display cells in a grid layout of one large display cell and multiple smaller cells (1+5, 1+7, or 1+12).

4 From the **Text Color** list, select the default color for the text displayed in a video display cell.

You may find that yellow text is easier to read on a dark video image and black text is easier to read on a light video image.

5 Click OK.

NOTE: To disable the text overlay feature for the entire Live Monitoring Console, clear the **Enable Text Overlay** check box.

To configure overlay text for a specific camera or display cell

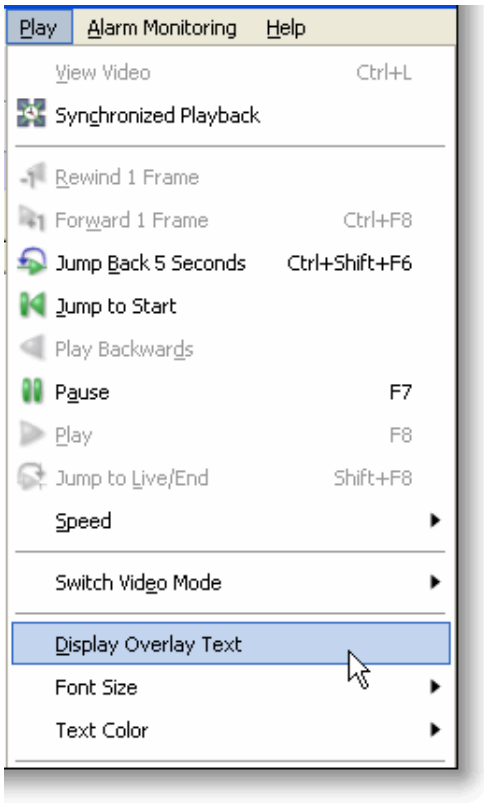
This procedure configures the text overlay feature for individual cameras and video display cells in the Live Monitoring Console.

You can enable or disable the text overlay feature and the color of the text for individual cameras in the Live Monitoring Console. If the camera's video is shown in more than one display cell, the text overlay color changes apply to all the display cells for that camera.

Text overlay font size is configured per video display cell. If the camera's video is shown in more than one display cell, only the video display cell that you select is affected when you change the font size.

NOTE: You can also set the defaults for all cameras in the Live Monitoring Console: see "To set the default font size and color for text overlay" on page 26.

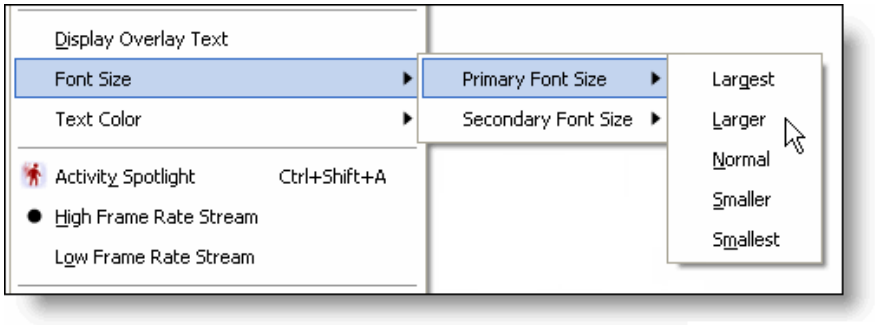
1. Click the video display cell for the camera whose text overlay you want to configure.
2. From the **Play** menu, select **Display Overlay Text**.



If there is no text associated with the currently selected camera, the **Display Overlay Text** menu item is not available.

NOTE: If the camera's video is shown in more than one display cell, text overlay is enabled in all the display cells for that camera.

3 To change the font size of the text overlay for the currently selected video display cell, from the **Play** menu, click **Font Size**.



You can select the font size for the **Primary Font Size** and the **Secondary Font Size**. The two font size settings are used to suit different grid layouts.

Primary Font Size is for:

- A grid layout of one video display cell or multiple cells of the same size (1x1, 2x2, 3x3, 4x4, or 6x6).
- The large display cell in a grid layout of one large display cell and multiple smaller cells (1+5, 1+7, or 1+12).

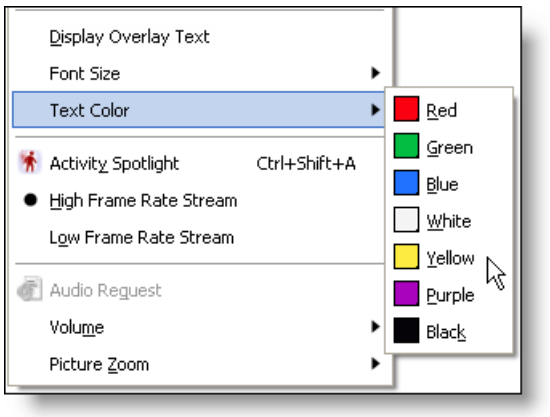
Secondary Font Size is for:

- The multiple smaller display cells in a grid layout of one large display cell and multiple smaller cells (1+5, 1+7, or 1+12).

For more information, see "Configuring Text Overlay" on page 24.

NOTE: If the camera's video is shown in more than one display cell, changes to the text overlay font size only apply to the currently selected display cell. Other display cells showing that camera's video are not affected.

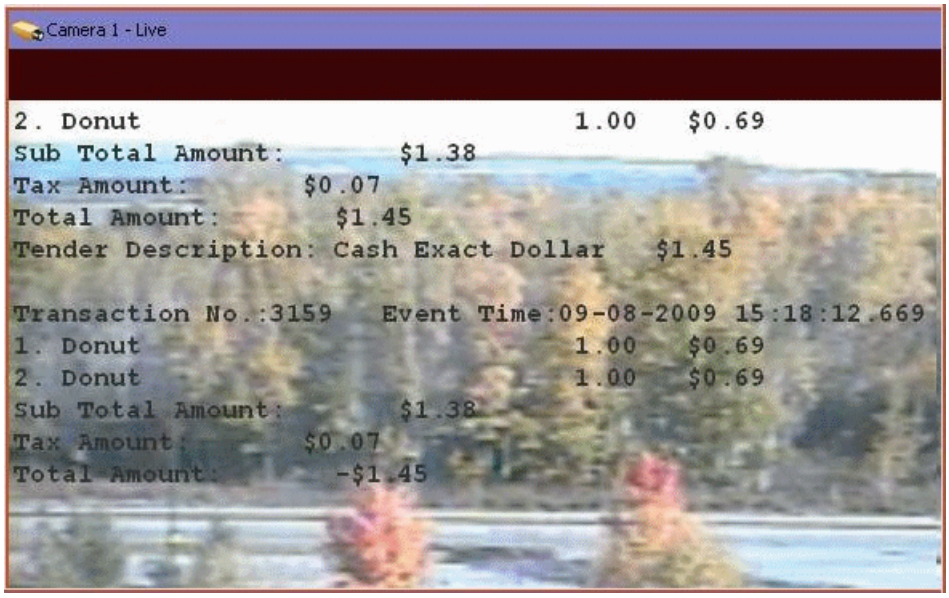
4 To change the color of the text overlay for the currently selected camera, from the Play menu, click Text Color and select your preferred color.



You may find that yellow text is easier to read on a dark video image and black text is easier to read on a light video image.

NOTE: If the camera's video is shown in more than one display cell, changes to the text overlay color apply to all display cells for that camera.

5 The text overlay appears in your video display cell in the font size and color that you have selected.



NOTE: If the text in your video display cell appears truncated, you may need to change the number of video display cells in your grid to 1x1 or 2x2. To change your grid settings, see "Adjusting the Grid" on page 20.

Chapter 6

Viewing Live Video and Observing Performance

This chapter describes how to view live video with the Live Monitoring Console, as well as review and manage the amount of resources used for streaming video. The following topics are covered:

- "Viewing Live Video" on page 32
- "Viewing the Resources Used by Video Display Cells" on page 33
- "Selecting the Video Frame Rate" on page 33

Viewing Live Video

You can use the Live Monitoring Console to actively monitor live video at multiple sites for suspicious activity. The Live Monitoring Console supports up to 36 camera views per monitor. If you are monitoring a site equipped with PTZ (Pan Tilt Zoom) cameras, you can move them to obtain a better view, see "Controlling PTZ Cameras" on page 37.

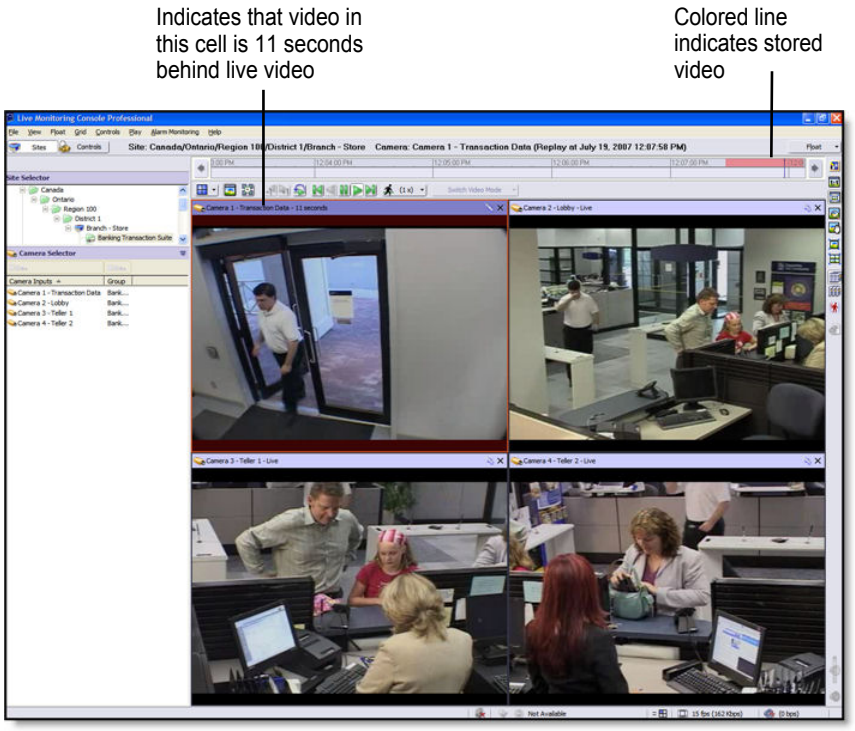
While you are viewing live video, your computer stores a maximum of the last 30 seconds of video, which you can view by clicking in the timeline. When live video is paused, or you are viewing a replay, the Live Monitoring Console stores up to the last five minutes of live video.

NOTE: If you do not have enough network bandwidth, video could be delayed or you may not see live video. You can control the amount of network bandwidth used for video by changing the video frame rate. For more information about changing the frame rate, see "To select the video frame rate".

To view live video

1. Click a site in the **Site Selector**.
2. In the **Camera Selector**, double-click the camera you want to view.

   The live camera images display in the video grid.



NOTE: You can also view live video by clicking a camera in the Camera Selector and dragging it into the grid.
You can view all of the cameras at a site by clicking the site in the Site Selector and dragging it into the video grid.
To build a camera view, click and drag cameras from the Camera Selector into the grid. For more information about changing the number of video display cells in the grid, see "To change the number of video display cells in the grid" on page 20.
You can automatically populate the first available video display cell in the grid by double-clicking the camera input, or right-clicking a camera and selecting **View Live**.

Viewing the Resources Used by Video Display Cells

You can view the video frame rate and the audio rate of one or all video display cells in the Live Monitoring Console. If you want to conserve bandwidth, or if you do not have sufficient bandwidth to display video, you can stream video at a lower frame rate. For more information on controlling the video frame rate, see "To select the video frame rate" on page 34.

To view the resources used by the video display cells

To determine the total amount of bandwidth being used by all video display cells, click the click the **Toggle Data Rate** button.

The total data rates for video and audio appear in the **Status** toolbar.

To determine the amount of bandwidth being used by a single video display cell, select the video display cell in the grid and click the **Toggle Data Rate** button.

The data rate for the video and audio of the video display cell appears in the **Status** toolbar.

Selecting the Video Frame Rate

If you need to conserve bandwidth usage, as directed by your system administrator, or if you are experiencing delays in live video, you can stream video at a lower frame rate. Delays in live video are indicated on the timeline and in the video display cell title bars, for example, 45 seconds indicates that the video display is 45 seconds behind live.

Controlling the rate at which video is streamed allows you to continue monitoring at a low frame rate while video is recorded at a higher frame rate.

To select the video frame rate

Click the video display cell for which you want to decrease or increase the frame rate and do one of the following:

- Click the **Low Frame Rate Stream** button. For a description of the button, see "Using the Display Toolbar Controls" on page 23.
- Click the **High Frame Rate Stream** button. For a description of the button, see "Using the Display Toolbar Controls" on page 23.

Chapter 7

Controlling Peripherals

This chapter describes how to access and control peripheral devices, such as switches, cameras, and audio outputs, located at sites using the Live Monitoring Console.

You can interact with sites to gain more information about alarms or situations that you are monitoring by using the control panel functions. Use the control panel functions to control peripherals as described in the following sections:

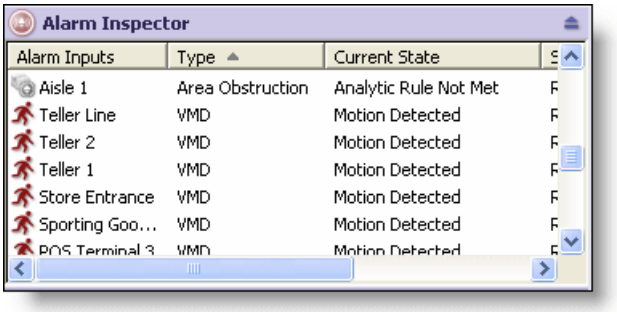
- "Viewing the State of Alarm Inputs" on page 36
- "Activating Switches" on page 36
- "Using the Audio Controls to Talk to Others at the Recorder Site" on page 37
- "Controlling PTZ Cameras" on page 37

Viewing the State of Alarm Inputs

The Alarm Inspector displays the current type and status of alarm inputs on a recorder. This is useful if you are monitoring a lobby, for example, and want to see whether a door is open or closed.

To view the state of an alarm input

1. Ensure the **Controls** button is selected and the **Alarm Inspector** is displayed. For more information about displaying the Alarm Inspector, see "Displaying the Control Panels" on page 16.
2. Scroll through the **Alarm Inspector** to view the current state of a specific alarm input.



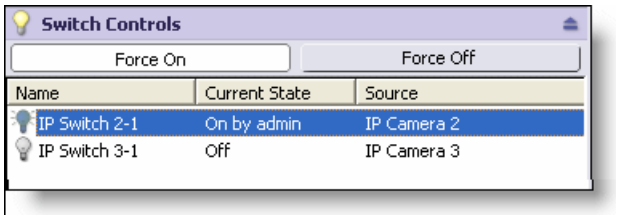
Activating Switches

The switch controls allow you to turn on a switch, such as a light or siren, at a site.

To turn a switch on or off

1. Ensure the **Controls** button is selected and the **Switch Controls** panel is displayed. For more information about displaying the panel, see "Displaying the Control Panels" on page 16.
2. In the **Switch Controls** panel, select the switch that you want to activate or deactivate and do one of the following:
   - Click **Force On** to activate the switch.
   - Click **Force Off** to deactivate the switch.

NOTE: Your control over the switch may time out after the amount of time specified by your administrator.

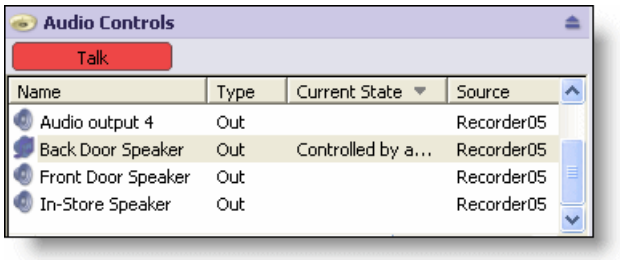


Using the Audio Controls to Talk to Others at the Recorder Site

The audio control panel allows you to monitor audio at a site, or talk to people who are physically present at the recorder site. Your computer must be equipped with a microphone or an intercom to use the two-way audio function.

To talk to others at the recorder site

1 Ensure that the **Controls** button is selected and the **Audio Controls** panel is displayed.



For more information about displaying the panel, see "Displaying the Control Panels" on page 16.

2 In the **Audio Controls** panel, select the audio output that is associated with the site with which you want to communicate.

3 Click **Talk** to take control of the audio output.
The **Talk** button turns red when you have control of the audio output.

4 Use your computer's microphone or intercom to talk to people at the site.

5 When you are done, click the **Talk** button again to release the audio output.

NOTE: The audio control may time out after the amount of time specified by your administrator.

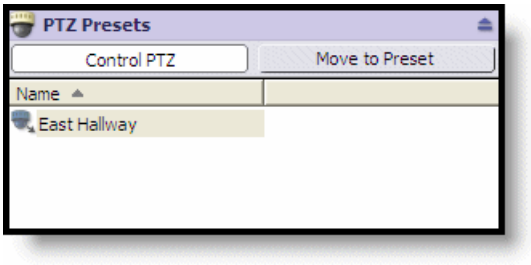
Controlling PTZ Cameras

You can control PTZ cameras at a site by taking control of them in the Live Monitoring Console and moving them using your mouse or a joystick connected to your computer. Preset PTZ camera views, which are configured by your system administrator, let you quickly move the camera to preset views of a site.

NOTE: The response time for PTZ cameras is dependent on the amount of available bandwidth.

To take control of a PTZ camera

1 Ensure the **Controls** button is selected and the **PTZ Presets** panel is displayed.



For more information about displaying the panel, see "Displaying the Control Panels" on page 16.

2 Select a PTZ camera video display cell or drag a PTZ camera to the grid.

3 In the **PTZ Presets** panel, click **Control PTZ**.
When you have control of a PTZ camera, an arrow appears when you move your mouse over the video display cell.

NOTE: PTZ cameras can only be controlled by one user at a time. If a PTZ camera is already in use, the message Controlled By appears in the Name field. Your control over the PTZ camera may time out after the amount of time specified by your administrator.

To pan or tilt a PTZ camera

1 Take control of a PTZ camera, as described in "To take control of a PTZ camera" on page 38.

2 In the PTZ camera video display cell, click and drag to move the camera to a different field of view.

To zoom a PTZ camera in or out

1 Take control of a PTZ camera, as described in "To take control of a PTZ camera" on page 38.

2 Click in the PTZ camera's video display cell and rotate the mouse's wheel button.

To adjust the camera focus

1 Take control of a PTZ camera, as described in "To take control of a PTZ camera" on page 38.

2 Click in the PTZ camera's video display cell.

3 Press the **CTRL** key and rotate the mouse's wheel button.

To adjust the camera brightness

1. Take control of a PTZ camera, as described in "To take control of a PTZ camera" on page 38.
2. Click in the PTZ camera's video display cell.
3. Press the **ALT** key and rotate the mouse's wheel button.

To move a PTZ camera to a preset camera view

1. Ensure the **Controls** button is selected and the **PTZ Presets** panel is displayed.

   For more information about displaying the panel, see "Displaying the Control Panels" on page 16.
2. Select a PTZ camera video display cell or drag a PTZ camera to the grid.
3. In the **PTZ Presets** panel, click **Control PTZ**.

   When you have control of a PTZ camera, an arrow appears when you move your mouse over the video display cell.
4. In the **PTZ Presets** panel, click **Move to Preset** to move the camera to a preset field of view.

To control a PTZ camera with a joystick

1. Ensure the **Controls** button is selected and do any of the following:
   - In the **Controls Panel**, click **Control PTZ**.
   - On the **Controls** menu, click **Control PTZ**.
   - Select a PTZ camera video display cell or drag a PTZ camera to the grid, right-click the video display cell, and select **Control PTZ**.

   The **COM Port Selection** dialog box appears if you have not set a default COM port. For more information see "To set a default COM port" on page 39.
2. In the **COM Port Selection** dialog box, click the local COM port connected to the joystick and click **OK**.
3. Move the joystick to control the PTZ camera.

NOTE: If the network cable becomes disconnected while you are controlling a PTZ camera with a joystick, you must wait for the time out period to end before you can regain control of the camera.

To set a default COM port

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **PTZ Settings** tab.
3. Select the **Always use the following COM port with a PTZ joystick** check box and click an available COM port from the **COM Port** list.
4. Click **OK**.

Chapter 8

Monitoring and Responding to Alarms

This chapter describes the procedures for activating alarm monitoring and responding to alarms in the Live Monitoring Console. It also describes how to manage the Alarm Inbox, view alarm video, and manage images. The following topics are covered:

- "Activating Alarm Monitoring" on page 42
- "Responding to Alarms" on page 42
- "Managing the Alarm Inbox" on page 45
- "Reviewing Pre-Alarm Video" on page 46
- "Synchronizing Video Playback for Multiple Cameras" on page 47
- "Locking a Video Display Cell" on page 47
- "Printing, Copying, or Exporting Images" on page 48
- "Resetting Audio and Visual Notification of Alarms" on page 48
- "Setting the Alarm Notification Method" on page 48
- "Viewing the Information Panel" on page 49

Activating Alarm Monitoring

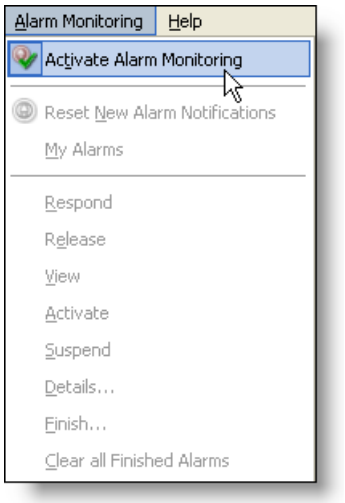
Alarm monitoring must be activated before you can receive and respond to alarms. Deactivate alarm monitoring if you are not responding to alarms.

To activate or deactivate alarm monitoring

To activate or deactivate alarm monitoring, do one of the following:

- On the **Alarm Monitoring** menu, click **Activate Alarm Monitoring**.
- Click the **Activate/Deactivate Alarm Monitoring** button on the **Status** toolbar at the bottom of the main window.

  New alarms appear in the **Alarm Inbox** and the total number of alarms displays on the Status toolbar.



Responding to Alarms

You can respond to and handle alarms, and view the associated video in the Live Monitoring Console. If you decide that an alarm is not a priority, you can suspend it (put it on hold) or release it for other users to handle. When you respond to an alarm, you assign it to yourself, and others cannot investigate it.

After you finish an alarm investigation, you can save the video to an Evidence Manager case folder.

You can ensure audio, if it is available, is linked to alarm video. For more information, see “To link audio to alarm video” on page 44.

NOTE: If you are monitoring for area obstruction detection, you may receive duplicate alarms if more than one object is detected in the area of interest.

To respond to an alarm and view associated video

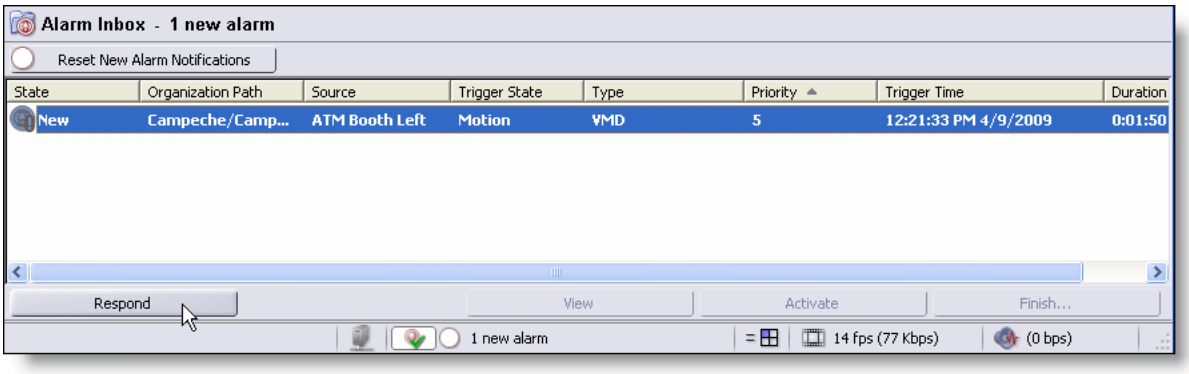
1 In the **Alarm Inbox**, click the alarm that you want to investigate.

NOTE: If the Live Monitoring Console is closed or loses its connection to the ESM, all unfinished alarms assigned to you are returned to a new and unowned state. Any finished alarms are cleared from the Alarm Inbox.
You cannot respond to an alarm that is assigned to another user.

2 On the **Alarm Response** toolbar, click **Respond**.

The video for cameras associated with the alarm appears in the grid.

If you do not see the **Respond** button, the Alarm Response toolbar may be hidden. To show the **Alarm Response** toolbar, see "To display a toolbar" on page 15.



3 Click a video display cell and use the video playback tools or the timeline to move through the video. For more information about the video playback tools, see "Reviewing the Playback Toolbar Controls" on page 53.

4 When you have finished viewing the video, click **Details** and complete the **Alarm Notes** form. If you do not want to add information to the alarm notes, go to step 6.

5 In the **Alarm Notes** form, type any additional information and do one of the following:

- Click **Save** to retain your information while you continue your investigation.
- Click **Save and Finish Alarm** and click **Yes** to save your notes and finish the alarm investigation. The alarm notes are saved to a case folder on your computer.

6 Click **Finish**.

The Alarm State changes to **Finished** in the **Alarm Inbox** and the alarm video stops downloading.

NOTES Any notes added to the alarm are saved in the Evidence Manager case folder with the video that was downloaded from the ESM. All video associated to the alarm is saved.

If you have cleared one or more video display cells, you can click View to restore the alarm-related video.

You can configure the Live Monitoring Console to notify you when the grid is not large enough to accommodate all of the camera inputs. To ensure a warning message is generated, on the **File** menu, click **Preferences** and click the **Warnings** tab. Select the **When there are not enough cells to display new video** check box and click **OK**.

If the Live Monitoring Console loses its connection to the recorder while you are investigating an alarm, you must release the alarm and respond to it again in order to download any remaining video.

To link audio to alarm video

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **General** tab.
3. Select the **Include linked video with live audio** check box and click **OK**.

   You can link audio to video in the Live Monitoring Console only if you are working in an non-managed environment.

   If you are working in a managed environment using the Alarm Monitoring service, audio linkage can be configured using the ESM.

To release an alarm

1. In the **Alarm Inbox**, click an alarm that is assigned to you that you want to return to the new, unassigned state.
2. Click **Release**.

   The alarm is no longer assigned to you and is returned to the **Alarm Inbox** in the **New** state.

To suspend an alarm

1. In the **Alarm Inbox**, click an alarm that is assigned to you that you want to put on hold.
2. Click **Suspend**.

   The alarm is still assigned to you, but you can defer its investigation to a later time.

NOTE: To reactivate a suspended alarm, select the alarm in the **Alarm Inbox** and click **Activate**.

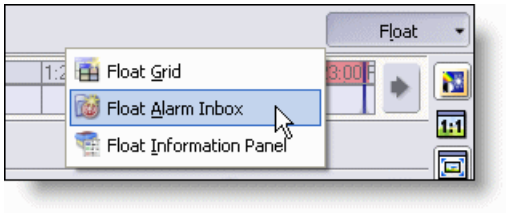
Managing the Alarm Inbox

The Alarm Inbox manages all of the alarms in the Live Monitoring Console. You can customize your work environment by undocking the Alarm Inbox from the main window and moving it to a more convenient location, such as another computer monitor. This is useful when you want to create more room for viewing video while keeping the Alarm Inbox and Information Panel visible. You can also clear finished alarms from the Alarm Inbox, or filter the list to show only new alarms and those assigned to you.

To undock the Alarm Inbox from the main window

To undock the Alarm Inbox from the main window, do one of the following:

- On the **Float** menu, click **Float Alarm Inbox**.
- Click the **Float** button at the top right corner of the screen and click **Float Alarm Inbox**.



NOTE: To dock the Alarm Inbox, click the dock button.

To remove finished alarms from the Alarm Inbox

On the **Alarm Monitoring** menu, click **Clear all Finished Alarms**.

To show my alarms and unassigned alarms only

In the **Alarm Inbox**, click **My Alarms**.

Reviewing Pre-Alarm Video

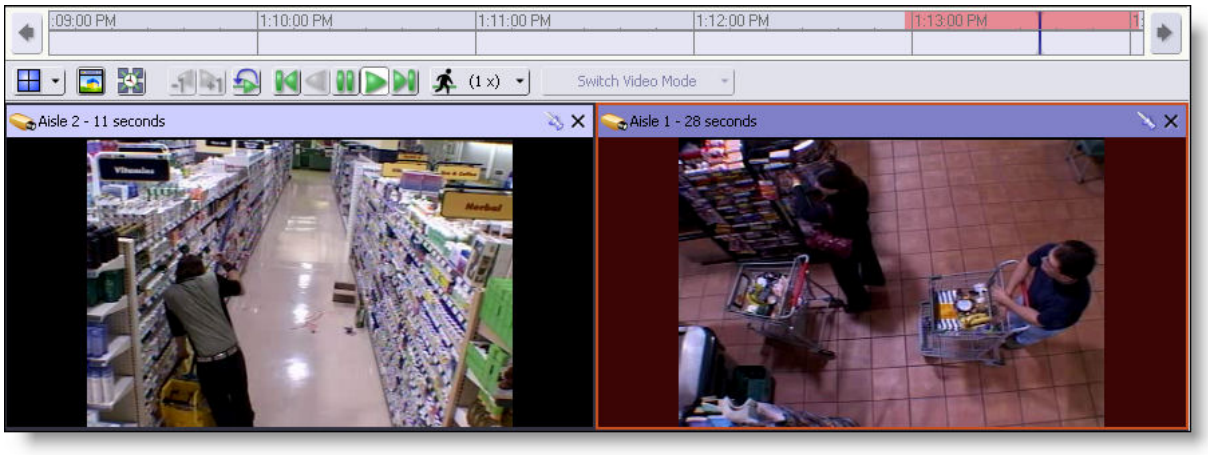
You can view events leading up to an alarm by reviewing the archived pre-alarm video in the Live Monitoring Console. The amount of video available is set by your system administrator using the Administrator Console.

NOTE: If you do not have enough network bandwidth, video could be delayed or you may not see live video.

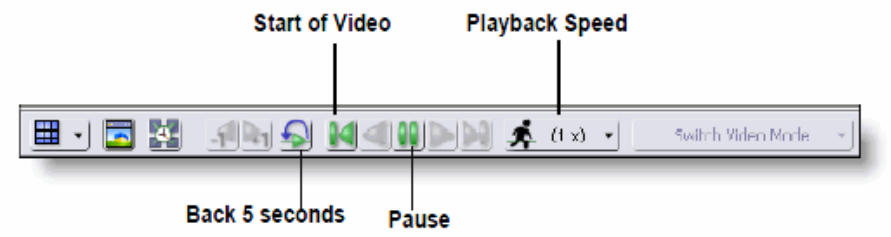
To view pre-alarm video

1. Select the video display cell that contains the alarm video.
2. Click on the timeline in a pink shaded area. Pink indicates that video is available for that time period.

   The Live Monitoring Console starts storing up to the last five minutes of live video.



3. Use the **Playback** toolbar controls to replay the video, control the playback speed, or pause the video.



4. Click the **Advance to End** button ( ) on the Playback toolbar to move the playback to the end of the video.

NOTE: The replay time displays at the top of the window, and the number of seconds behind live is indicated in the title bar of the video display cell. You can display the **Alarm Preview** toolbar to view thumbnails of the pre-alarm video. For details about showing toolbars, see "To display a toolbar".

NOTE: To switch between live and recorded video, click Switch Video Mode and click Live or Recorded.

Synchronizing Video Playback for Multiple Cameras

When multiple cameras are associated with an alarm input, you can synchronize the playback of archived video. This is useful if you have adjusted video from one camera, and want to play video from the same starting point for all cameras simultaneously.

To synchronize the video playback for multiple cameras

- Select a video display cell and do one of the following:
  - On the **Play** menu, click **Synchronized Playback.**
  - Click the **Synchronized Playback** button.

  All archived video appearing in the video display cells automatically moves to the play position of the selected video display cell, and **Sync** appears in the title bars to indicate which video display cells changed.

Locking a Video Display Cell

You can lock a video display cell to prevent it from being automatically replaced by video when you respond to an alarm. This allows you to continuously monitor live video on a specific camera while reviewing alarm video at the same time.

To lock a video display cell

Select the video display cell you want to lock and do one of the following:

- Click the **Pin/Unpin Video Display Cell** icon on the video display cell title bar.
- On the **Grid** menu, click **Pin Video Display Cell**.

NOTE: If a video display cell is locked and contains video, the cell is not updated with video if you drag cameras or a site into the grid.

Printing, Copying, or Exporting Images

You can print or copy images in the Live Monitoring Console. You can also export, or save, images to a location on your computer.

To print or copy an image

1. In the video display cell, pause the video at the image you want to print or copy.
2. Right-click the image and do one of the following:
   - Click **Print Image**.
   - Click **Copy Image**.

To export an image

1. In the video display cell, pause the video at the image you want to export.
2. Click **Export Image**.
3. In the **Save As** dialog box, navigate to the folder to which you want to export the image in the **Save In** box.
4. Type a name for the image file in the **File name** box.
5. In the **Save as type** list, click the file format you want to use for the file.
6. Click **Save**.

Resetting Audio and Visual Notification of Alarms

The Live Monitoring Console automatically notifies you when new, unassigned alarms are available in the Alarm Inbox. You can stop these notifications until the next new alarm is generated.

To reset the alarm notification

- In the **Alarm Inbox**, click **Reset New Alarm Notifications**.
  The alarm notifications stop until the next new alarm is generated.

Setting the Alarm Notification Method

You can specify the method used by the Live Monitoring Console to notify you of new alarms. You can configure the system to play a sound when alarms are received, flash the title bar, or automatically display the Alarm Inbox.

To set the new alarm notification method

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **Alarm Notifications** tab.

3 Select the **New Alarm Notifications** check box and select one of the following:
   - **Play sound using file.** Plays a sound when an alarm is generated.
   - **Flash the title bar.** Flashes the main application title bar when an alarm is generated.
   - **Display the Alarm Inbox.** Displays the **Alarm Inbox** at the top of all windows.
4 Click **OK**.

NOTE: You can select the sound you want to play by clicking the browse button, selecting a file, and clicking **Open**.
You can preview the sounds by clicking the **Test** button.

Viewing the Information Panel

The Information Panel displays additional details about the site where the alarm occurred. You can undock the Information Panel from the main window and move it to another location on your monitor, or prevent the panel from automatically appearing when you select an alarm in the Alarm Inbox.

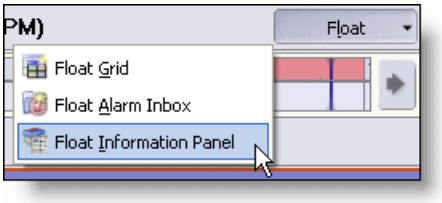
To hide or show the Information Panel

On the **View** menu, click **Information Panel**.

To undock the Information Panel

Do one of the following:

- Click the **Float** button and click **Information Panel** in the list.
- On the **Float** menu, click **Float Information Panel**.



NOTE: To dock the Information Panel, click the **Dock** button.

To prevent the Information Panel from automatically displaying

1 On the **File** menu, click **Preferences**.
2 Click the **Alarm Notifications** tab.
3 Clear the **Display the Information Panel** check box and click **OK**.

Chapter 9

Reference

This chapter describes how to set the time zone and specify the proxy server in the Live Monitoring Console. It also details the various controls available in the Live Monitoring Console. The following topics are covered:

- "Changing the Time Zone Display" on page 52
- "Specifying a Proxy Server" on page 52
- "Reviewing the Playback Toolbar Controls" on page 53
- "Reviewing the Alarm Response Toolbar" on page 54
- "Reviewing the Status Toolbar" on page 55

Changing the Time Zone Display

You can specify whether you want the Live Monitoring Console to display the recorder time or the local time. You typically use local time zone when all the recorders you monitor are located in your time zone. When you are monitoring recorders in another time zone, you can configure the Live Monitoring Console to use the recorder's time zone. This eliminates the need to add or subtract hours when communicating with individuals at the recorder site.

To change the time zone display

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **Time Zone** tab and do one of the following:
   - Click **Local Time Zone** to display your local time zone.
   - Click **DVR Time Zone** to display the recorder's time zone.
3. If you want to display the time zone information beside the time in the Live Monitoring Console, select the **Show the time zone information** check box.
4. Click **OK**.

Specifying a Proxy Server

If you must access the ESM or a recorder through a proxy server, you can configure the proxy in the Live Monitoring Console.

To specify a proxy server

1. On the **File** menu, click **Preferences**.
2. In the **Preferences** dialog box, click the **HTTP Proxy Settings** tab.
3. Select the **Use HTTP Proxy** check box.
4. In the **Address** and **Port** boxes, type an IP address and port.
5. Click **OK**.

NOTE: For more information about using a proxy server, contact your network administrator.

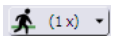
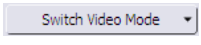
Reviewing the Playback Toolbar Controls

The video playback tools allow you to control the playback in the Live Monitoring Console. You can also configure the grid layout from this toolbar.

To control the video playback

1. Select the video display cell that contains the video you want to control.
2. Click any of the controls on the Playback toolbar.

   The following table describes the controls on the Playback toolbar:

Control	Description
	Grid Layout — Rearranges the grid to display various video cell combinations.
	Show/Hide Title bar — Toggles the title bars above video cells.
	Synchronized Playback — Synchronizes all recorded video associated to an alarm during playback.
	Rewind Frame, Next Frame — Pauses the current playback and moves video backward or forward one frame at a time.
	Back 5 Seconds — Moves the video playback back five seconds.
	Start of Video — Automatically moves the playback position to the beginning of the video.
	Jump to Live/Advance to End — Automatically moves the playback position to the end of the video or to live video. **Note —** When the selected video display cell contains archived alarm video, the button moves the playback to the end of the video. When the selected video display cell contains live video or an instant replay, the button moves the playback to the live video stream.
	Reverse Play, Play — Plays the video backward or forward at the selected speed.
	Pause — Pauses the playback.
	**Play Speed —** Sets the video playback speed. Audio plays only when the video is played at normal (1X) speed.
	**Switch Video Mode** — Toggles between live and recorded video.

Reviewing the Alarm Response Toolbar

The Alarm Response toolbar displays at the bottom of the Alarm Inbox. The alarm response controls allow you to handle alarms in the Live Monitoring Console.

To handle alarms using the Alarm Response toolbar

1. Click an active alarm in the Alarm Inbox.
2. Click any of the controls on the Alarm Response toolbar.

   The controls are described in the following table:

Control	Description
Reset New Alarm Notifications	Stops the alarm notification until the next alarm is generated.
Respond	Allows you to assign an alarm to yourself so that you can handle it.
Release	Allows you to change an alarm assigned to you back to the **New** state so that another investigator can handle it.
View	Displays the associated alarm video.
Suspend	Puts an alarm on hold. Suspended alarms are still assigned to you.
Details	Opens the **Alarm Notes** form so that you can add information about an alarm investigation.
Finish	Ends the alarm investigation.
My Alarms	Filters the **Alarm Inbox** to show the alarms assigned to you and new, unassigned alarms only.

Reviewing the Status Toolbar

The Status toolbar displays at the bottom of the Alarm Inbox and contains information about the operation of the Live Monitoring Console.

The following table describes the status information and controls:

Control	Description
	The ESM disconnected icon indicates that the Live Monitoring Console cannot communicate with the ESM. You can display the IP address of the ESM by hovering the cursor over the icon.
	The ESM connected icon indicates that the Live Monitoring Console is communicating with the ESM. You can display the IP address of the ESM by pausing the pointer over the icon.
	Activates or deactivates alarm monitoring. When alarm monitoring is deactivated, **Not Active** appears.
	Indicates the number of new alarms in the **Alarm Inbox**.
	Indicates the frame rate used by a selected video display cell.
	Indicates the total frame rate used by all video display cells, including undocked grids.
	Indicates the audio data rate for a selected video display cell.

Glossary

Administrator Console A configuration and maintenance tool that lets security and IT staff customize and maintain recorders in a central or local manner.

Alarm The activation of a trigger. A trigger can be the activation of a physical peripheral, such as a door contact. It can also refer to activity that occurs during a scheduled period of time.

Bandwidth The amount of video data that can be transmitted.

ESM Enterprise Service Manager. A server application that lets you monitor and maintain recorders on your network, at one or more sites. The ESM can be made up of one or more servers, which form a cluster.

Evidence Manager The Evidence Manager provides senior loss prevention, security, or operations managers with the tools for building and managing investigation cases.

Grid A series of video display cells that display live or archived video.

Peripherals Security tools connected to a device, such as cameras, audio inputs and outputs, alarm inputs, dataports, and switches.

PTZ Pan Tilt Zoom. A camera that you can remotely control using either a PTZ controller connected to your computer or the March Networks software.

Recorders Devices at your site that capture, store, and stream audio, video, and text data from connected peripherals.

Site A group of cameras associated to recorders for a particular location.

Synchronized playback A feature that allows you to play in sync the archived video for all cameras on a grid that are associated with a particular alarm.

Video Display Cell A video display cell is a box in which live or archived video displays.

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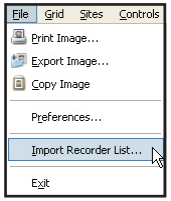
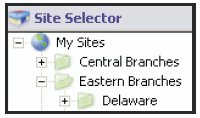
Getting Started

Setting Up the Site Selector



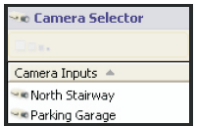
If the **Site Selector** is empty, import a device list (provided by your system administrator) or connect to an ESM using the **Preferences** dialog box.

Building Live Monitoring Camera Views



Choose a site in the **Site Selector**.

In the **Camera Selector**, click and drag cameras into any of the video grid cells located to the right.



Note: You can select cameras from multiple sites.

Setting Up your Display

To view more video cells, you can use the **Float** menu to create a new window for additional video grids, the **Alarm Inbox**, and the **Information Panel**.

To reattach theses windows, click the **Dock** button located in the upper-right corner of the new window.

Grid Controls

You can change the grid format at any time.

On the **Grid** menu, point to **Display**, and click the grid layout you want.

- 1 x 1 Grid
- 2 x 2 Grid
- 3 x 3 Grid
- 4 x 4 Grid
- 6 x 6 Grid
- 1 + 5 Grid
- 1 + 7 Grid
- 1 + 12 Grid

Text Overlay

You can use the text overlay feature to display associated text (if available) in a video display cell. Use the **Preferences** menu to enable the feature for the entire Live Monitoring Console.

To display overlay text in a video display cell, click the video display cell for which you want to display text and from the **Play** menu, select **Display Overlay Text**.

Quick Reference - Controls

Playback Toolbar

- Grid Layout
- Show/Hide Title Bars
- Synchronized Playback
- Previous Frame
- Next Frame
- Back 5 Seconds
- Rewind to Start
- Advance to End
- Play Backward
- Play
- Pause
- (1 x) PLAY SPEED
- Switch Video Mode

Display Toolbar

- Video Picture Controls
- Zoom to 100%
- Fit to Window
- Zoom Mode
- Pan Mode
- Full Screen
- Grid Full Screen
- High Frame Rate Stream
- Low Frame Rate Stream
- Activity Spotlight
- Audio Request
- Audio volume and mute controls

Alarm Response Toolbar - Professional

Reset New Alarm Notifications	Clear alarm notifications
Respond	Handle the alarm
Release	Allow others to handle the alarm
View	See alarm video
Suspend	Put alarm on hold hold
Details...	Open the alarm details form
Finish...	End the alarm handling session

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For technical support and assistance, please call 1-800-472-0116. Or, e-mail techsupport@marchnetworks.com.

VideoSphere

Live Monitoring Console Quick Start Guide

This Quick Start Guide provides the steps you need to monitor cameras and alarms in real time.

The Live Monitoring Console provides the following key features/benefits:

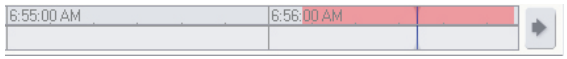
- Live video plus audio streaming from multiple sites for comprehensive monitoring
- Low-bandwidth live video streaming
- Customizable viewing environment allows you to show/hide the tools you need
- Scalable viewing grids, up to 6 x 6 (36) video cells on a single monitor
- Text overlay allows you to view associated text over your video display
- A Float feature to spread additional views across multiple monitors
- Integrated (on-screen) PTZ control for further intelligence gathering
- Alarm Inbox with response management
- Instant, visible alarm notification based on motion, sensors, or analytics
- 2-way intercom communications with sites
- Online Help for ease of use

MARCH networks

Viewing Live and Delayed Video

You can display a timeline across the top of the display area. The timeline is active for the selected video cell.

Click inside the timeline to view the last 30 seconds of activity for live video. When live video is paused, or you are viewing a replay of live video, the timeline expands to the last five minutes.
The timeline automatically updates to show you how many seconds you are behind live video. This does not affect video recording.

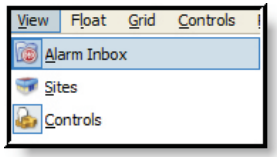


Note: If you experience slower network bandwidth, video could be delayed or you may not see live video.
If there is not enough bandwidth to deliver the video, you can choose to view video at a lower frame rate by clicking the **Low Frame Rate Stream** button.

Viewing the Alarm Inbox

You can view active alarms using the **Alarm Inbox**.

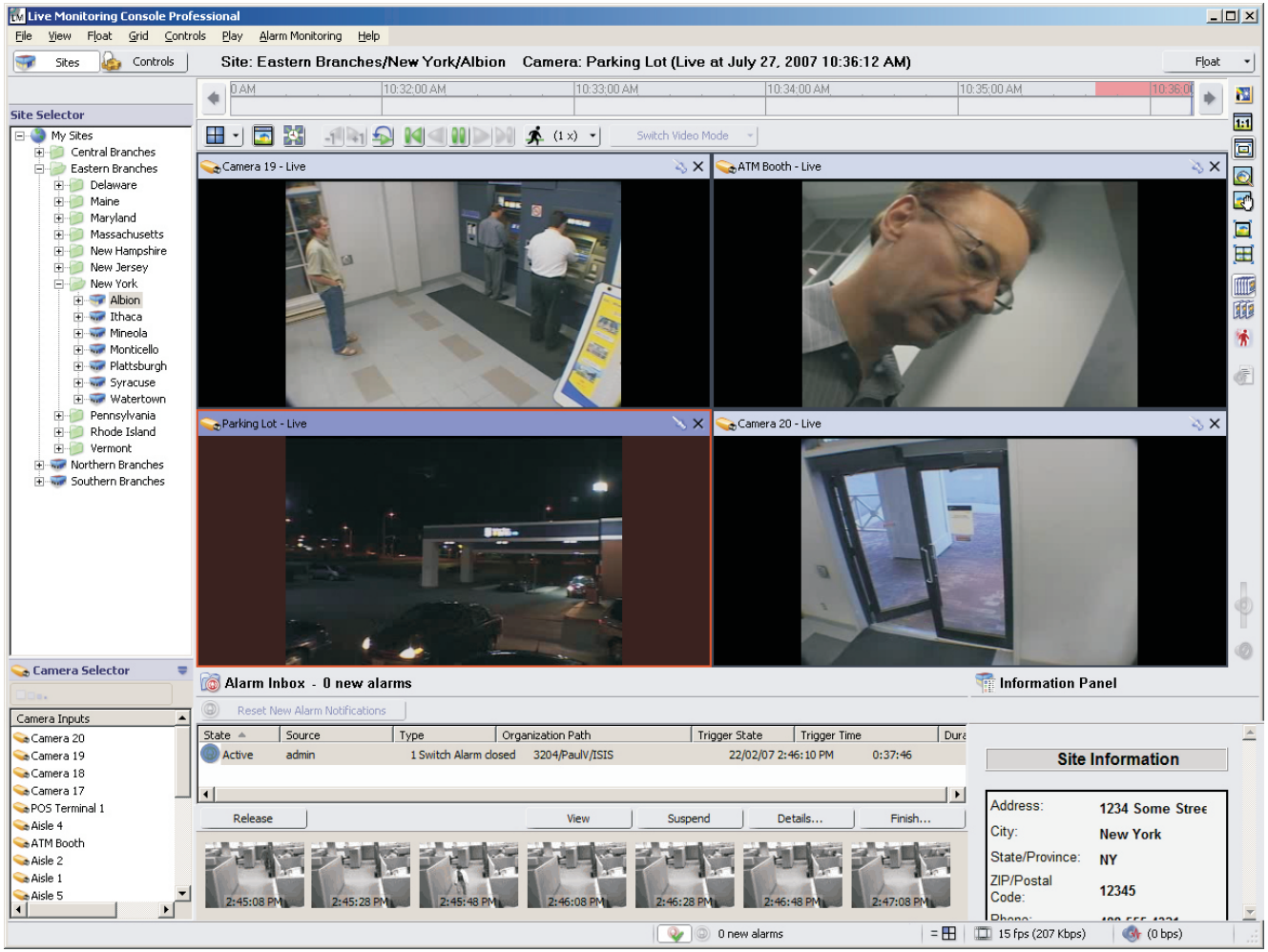
To view the Alarm Inbox, click **Alarm Inbox** on the **View** menu.



Pinning Video Cells

Pinning a video cell prevents new alarm video or new live video from moving into the cell. To pin a cell, click the **Pin Video Display Cell** button.

Note: If an alarm event involving the pinned video cell occurs, the video cell border flashes.



Investigating an Alarm

Use the **Controls** panel to access the peripherals connected to the device.

To access the **Controls** panel, click **Controls**.
The peripherals that are available for the selected grid appear.

Alarm Inspector	Show the current type and status of an alarm.
Switch Controls	Turn on a switch, such as a light.
Audio Controls	Talk to others using an intercom system.
PTZ Presets	Move a PTZ camera to get a better view.
Available Cameras at Site	View video from another camera at the selected site.

When you have control of a PTZ camera, an arrow appears when you move the mouse over the cell.

Move the camera	Drag in the cell.
Zoom in or out	Rotate the mouse wheel.
Adjust focus	Hold down the CTRL key and rotate your mouse's wheel button.
Adjust the iris	Hold down the ALT key and rotate your mouse's wheel button.

Saving Images as Evidence

You can copy, save, or print a paused video image by right-clicking the image and doing one of the following:

Click the **Copy** button to save a copy of a paused image that is currently displayed in the selected cell.

Click the **Export Image** button to save the paused image to an evidence folder.

Click the **Print** button to print the paused video to a printer connected to your computer.

Synchronizing Alarm Evidence

You can synchronize multiple video and audio sources associated with an alarm event to get a fuller view of the events surrounding the alarm.

Select the alarm video cell, and then click the **Synchronized Playback** button. All associated cells synchronize and a color border is applied to the cells.

*For advanced alarm monitoring and handling, use Live Monitoring Console Professional edition.